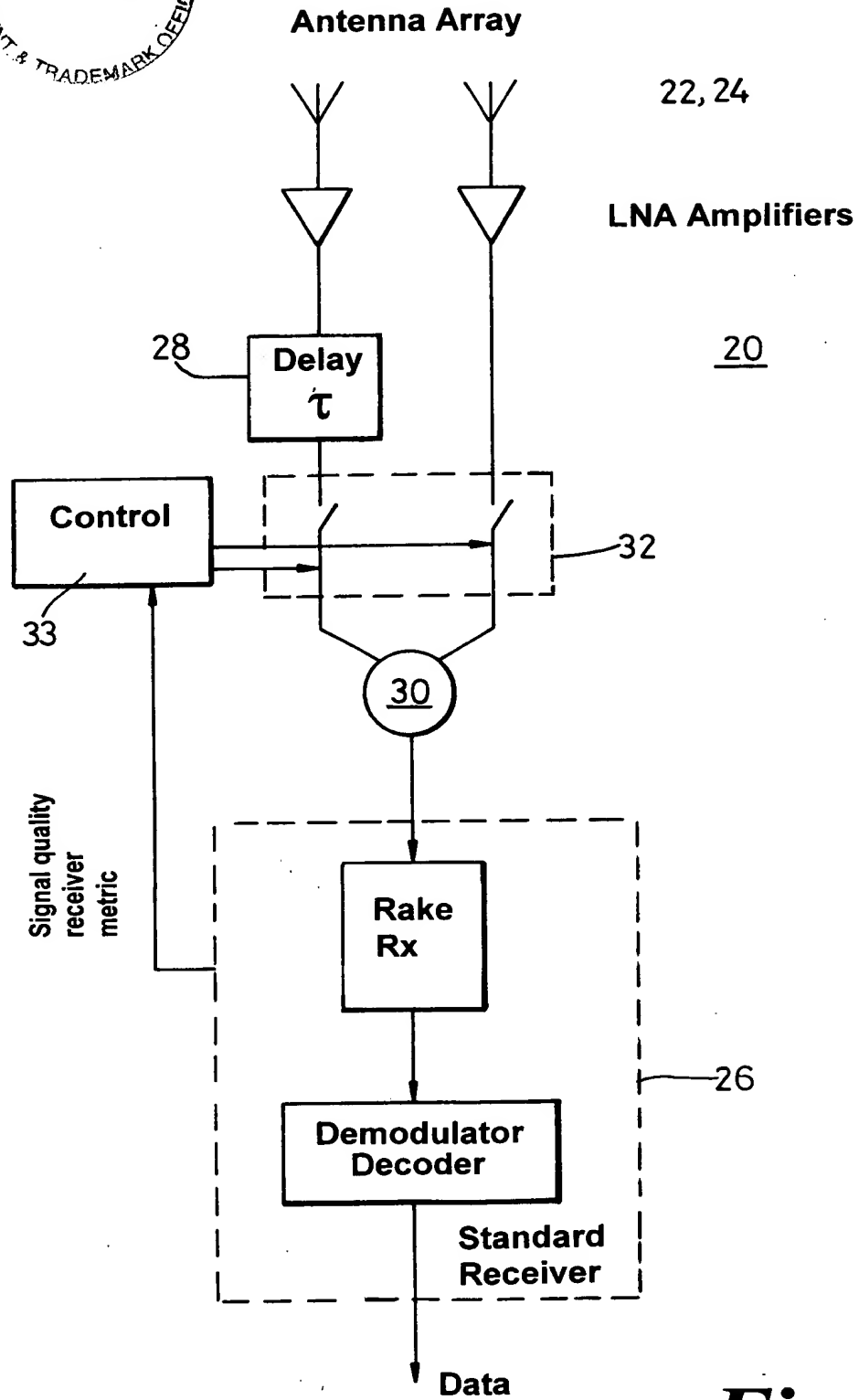FS

BS —No Network

Multipath
Reception

FS

Buildings
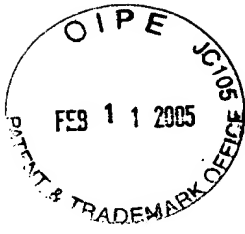
FS=Fixed Station
BS=Base Station

Fig. 1

Antenna Array

22, 24

LNA Amplifiers

28

Delay
τ
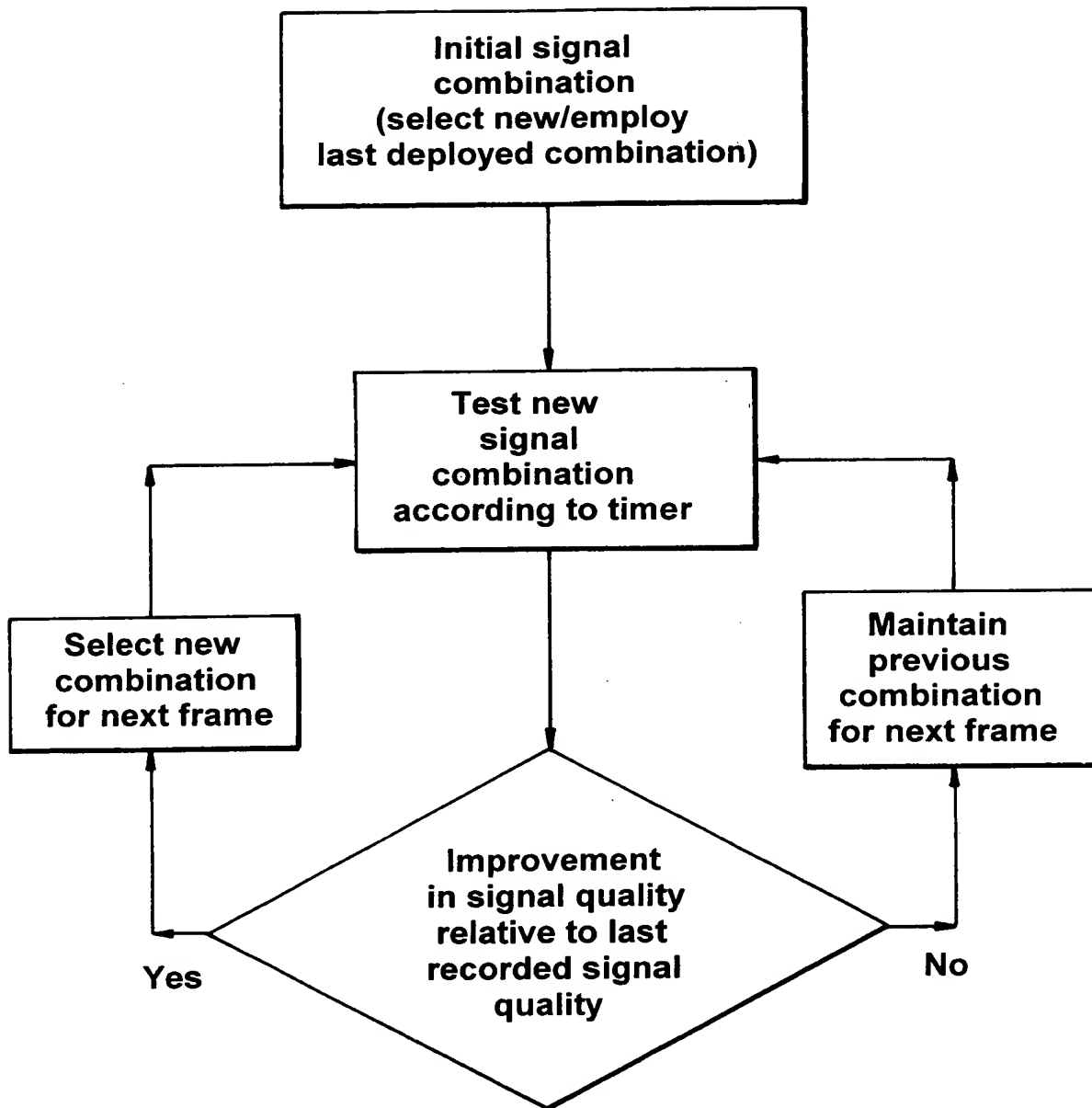
20

Control

33

32

30

Signal quality receiver metric

Rake Rx

26

Demodulator Decoder

Standard Receiver

Data
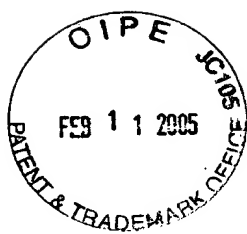
Fig. 2

Switch B

	0	1
0		B>A B>T
1	A>B A>T	A>T B>T

Switch A
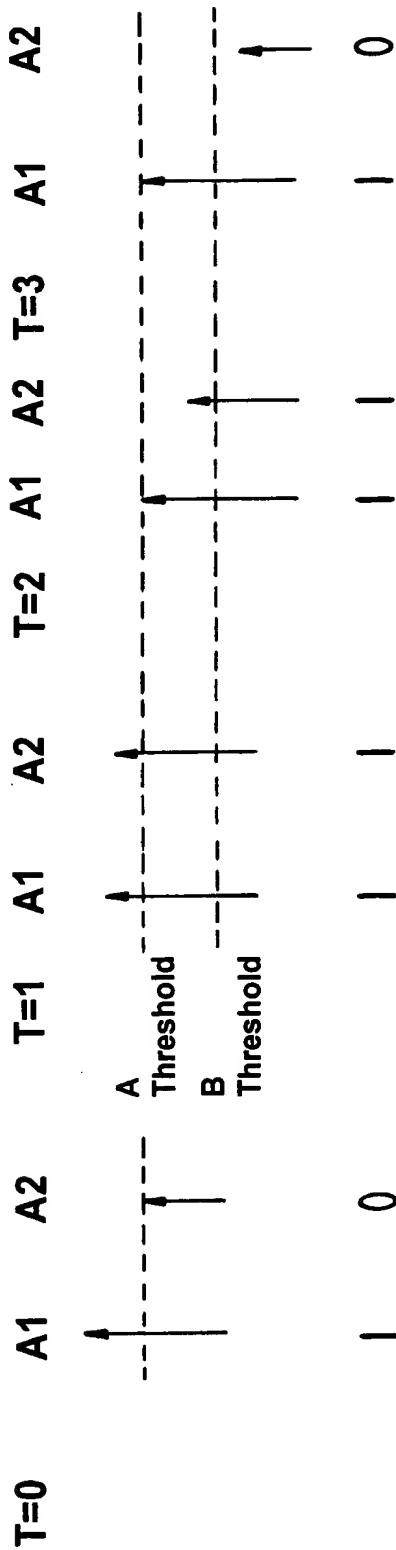
Fig. 2a
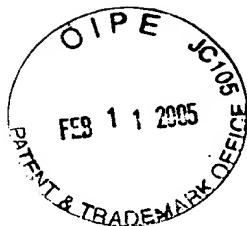
Fig. 2b
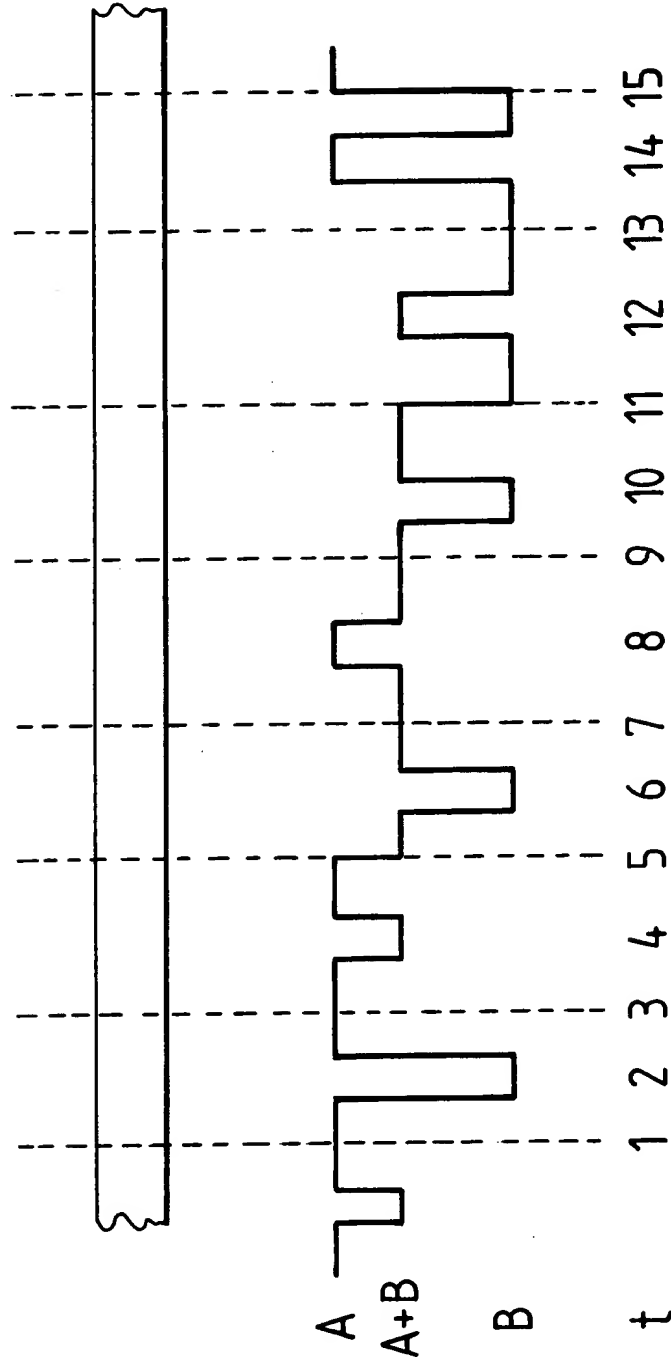
Fig. 2c

Example 2: A1 begins with largest signal ; A2 then starts to contribute but then fades.

Fig. 3

	Antenna A1	Antenna A2	T=1	A1	A2	T=2	A1	A2
T=0	←	←		←	←		←	←
switch	−	0		−	−		−	−

	A1	A2	T=4	A1	A2
T=3	←	←		←	←
switch	−	−		0	−

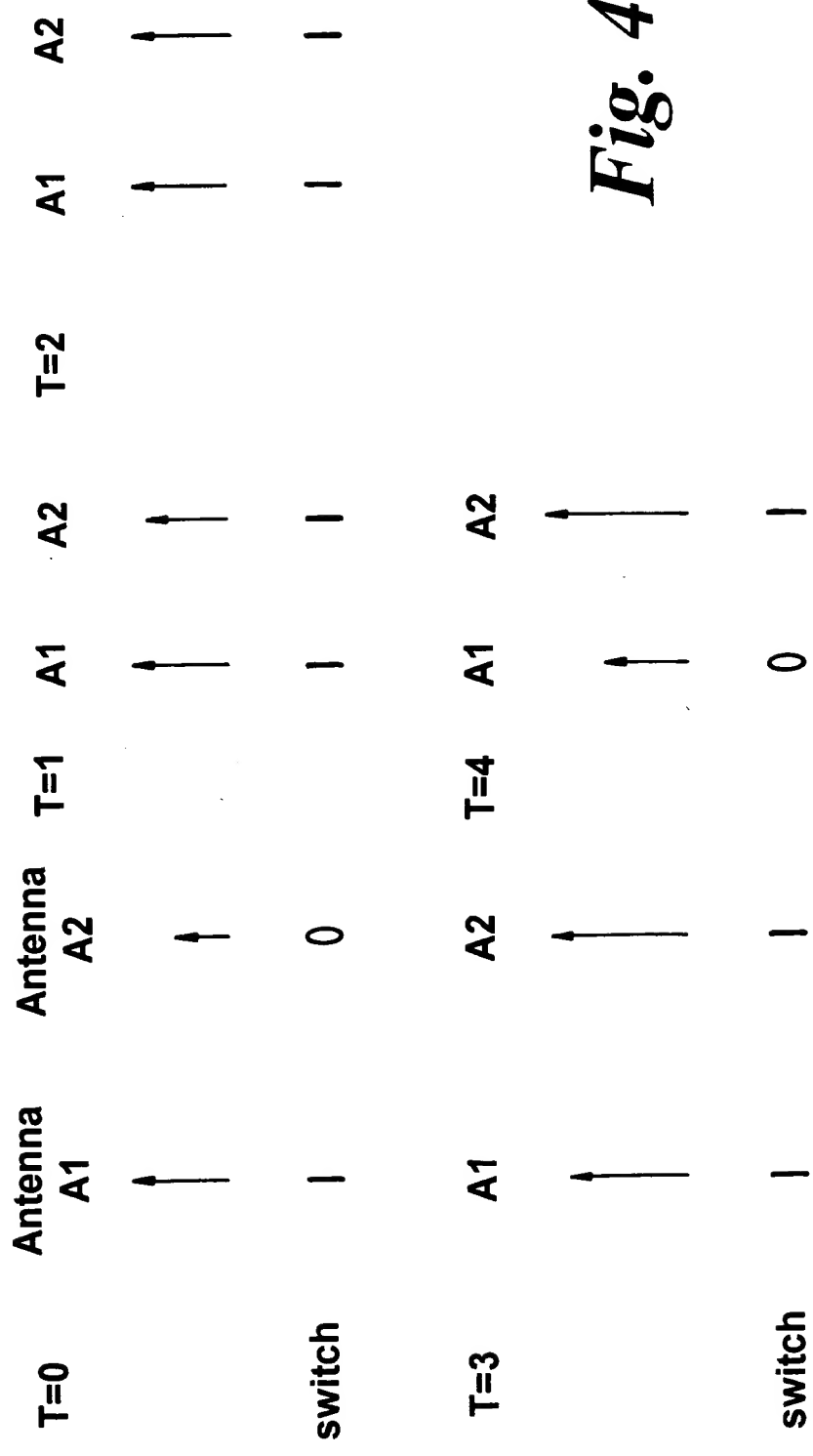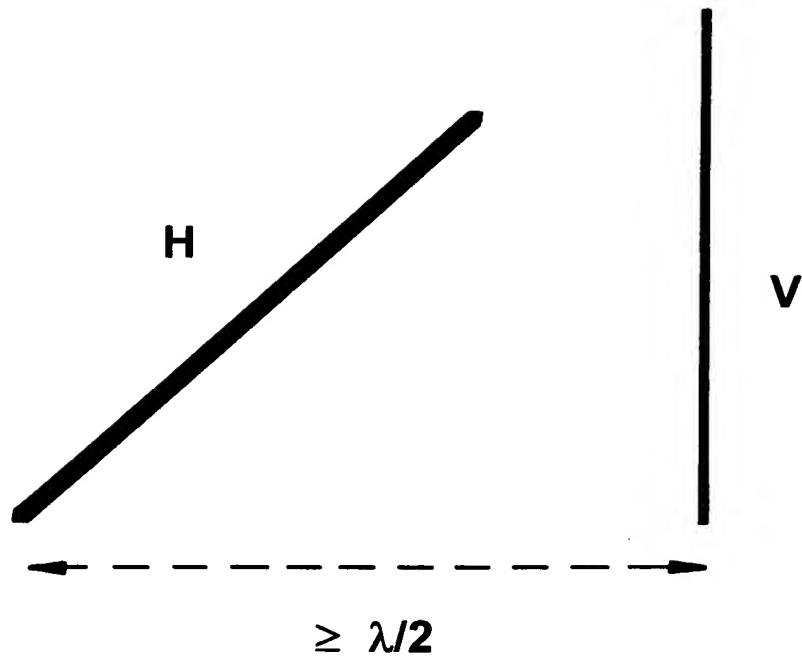*Fig. 4*

Example 1: A1 begins with largest signal ; then A2 becomes dominant

H

V

$\geq \lambda/2$

Fig. 5